



# INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue  
Room N758 - Hydraulics  
Indianapolis, Indiana 46204

PHONE: (317) 233-2096  
FAX: (317) 233-4929

**Eric Holcomb, Governor**  
**Michael Smith, Commissioner**

## **Post-construction Stormwater Measures - Submittal Requirements as of 3-2-2023**

### **With Stage 1 Review Submission (25% Design):**

- Stormwater Outfalls (locations where stormwater leaves INDOT right-of-way) identified in plans with approximate added pavement values listed (acres or square feet)
- Preliminary locations of proposed Post-construction Stormwater Measures (PCSMs) identified and labeled in plans
  - Use naming convention provided on [Environmental Services Division Stormwater webpage](#)
  - List type of PCSM (for example: PCSM 067-055-078.65 – Dry Turf Grass Swale)
- PCSMs included in cost estimate
- Design calculations for PCSMs are not required with Stage 1 Submittal

### **With Stage 2 Review Submission (55% Design):**

- Stormwater Outfalls (locations where stormwater leaves INDOT right-of-way) identified in plans with approximate added pavement values listed (acres or square feet)
- Preliminary locations of proposed PCSMs identified and labeled in plans
  - Use naming convention provided on [Environmental Services Division Stormwater webpage](#)
  - List type of PCSM (for example PCSM 067-055-078.65 – Dry Turf Grass Swale)
- PCSMs included in cost estimate
- Design calculations for PCSMs are not required with Stage 2 Submittal

### **90 Days After Stage 2 Review Submission:**

- Post-construction Stormwater Measures Design Report including
  - Narrative
  - Project Location Map
  - Outfall Locations Map
  - Existing and proposed drainage area delineations for each outfall
    - Must include existing contours with labels and proposed contours with labels, respectively
  - NRCS Soils information
    - Percolation testing results if using infiltration measure(s)
  - Water Quality Volume calculations for each outfall
  - Water Quality Treatment rate calculations or model output for flow through PCSM sizing
  - All supporting calculations for proposed PCSMs, including computer models
  - Signed and sealed by a professional engineer licensed in Indiana
- PCSM Detail Sheets
- Completed maintenance plans (see templates on [Environmental Services Division Stormwater webpage](#))



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## **With Stage 3 Review Submission (95% Design) and/or Final Tracings Submission (100% Design):**

- Stormwater Outfalls (locations where stormwater leaves INDOT right-of-way) identified in plans with added pavement values listed (acres or square feet)
- Locations of proposed PCSMs identified and labeled on plans, with proposed asset identification numbers
  - Use naming convention provided on [Environmental Services Division Stormwater webpage](#)
  - List type of PCSM (for example: PCSM 067-055-078.65 – Dry Turf Grass Swale)
  - Plans will include locations of jurisdictional streams and wetlands
  - Plans will include design table for PCSMs, which will list proposed asset identification number, alignment, station, and offset. For linear PCSMs, list starting and ending station and offset
  - PCSM Detail Sheets
  - PCSM Unique Special Provisions
- Completed maintenance plans (see templates on [Environmental Services Division Stormwater webpage](#))
- PCSMs included in cost estimate
- PCSM Approval Memo
- Note: Some projects do not require a Stage 3 Review Submission and therefore do not require a PCSM submission

## **With SWP3 (as an Appendix):**

- Locations of proposed PCSMs identified and labeled on plans, with proposed asset identification numbers
  - Use naming convention provided on [Environmental Services Division Stormwater webpage](#)
  - List type of PCSM (for example: PCSM 067-055-078.65 – Dry Turf Grass Swale)
  - Plans will include locations of jurisdictional streams and wetlands
  - Plans will include design table for PCSMs, which will list proposed asset identification number, alignment, station, and offset. For linear PCSMs, list starting and ending station and offset
  - PCSM Detail Sheets
  - PCSM Unique Special Provisions
- Completed maintenance plans (see templates on [Environmental Services Division Stormwater webpage](#))
- PCSM Approval Memo